



P.B.5818 - Patentlaan 2  
2280 HV Rijswijk (ZH)  
☎ +31 70 340 2040  
TX 31651 epo nl  
FAX +31 70 340 3016

**Europäisches  
Patentamt**

Zweigstelle  
in Den Haag  
Recherchen-  
abteilung

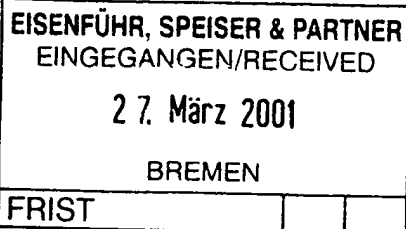
**European  
Patent Office**

Branch at  
The Hague  
Search  
division

**Office européen  
d s brevets**

Département à  
La Haye  
Division de la  
recherche

Eisenführ, Speiser & Partner  
Martinistrasse 24  
28195 Bremen  
ALLEMAGNE



Datum/Date  
26.03.01

Zeichen/Ref./Réf. <b>M 6290</b>	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. <b>00127119.6-2206-</b>
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire <b>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.</b>	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract ☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 055 802 A (HIETALA ALEXANDER W ET AL) 8 October 1991 (1991-10-08) * the whole document *	1-19	H03L7/197
X	US 5 986 512 A (ERIKSSON HAAKAN BENGT) 16 November 1999 (1999-11-16) * the whole document *	1-19	
X	US 5 111 162 A (HIETALA ALEXANDER W ET AL) 5 May 1992 (1992-05-05) * the whole document *	1-19	
X	EP 0 429 217 A (STC PLC) 29 May 1991 (1991-05-29) * the whole document *	1	
X	DE 196 40 071 A (ROHDE & SCHWARZ) 2 April 1998 (1998-04-02) * the whole document *	1	
X	EP 0 788 237 A (ANRITSU CORP) 6 August 1997 (1997-08-06) * the whole document *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H03L
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 9 March 2001	Examiner Kahn, K-D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 12 7119

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-03-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5055802 A	08-10-1991	AU 631993 B	10-12-1992
		AU 7797091 A	27-11-1991
		BR 9105749 A	19-05-1992
		CA 2048645 A,C	31-10-1991
		DE 69121040 D	29-08-1996
		DE 69121040 T	20-02-1997
		EP 0480012 A	15-04-1992
		JP 2756728 B	25-05-1998
		JP 5500894 T	18-02-1993
		MX 172915 B	20-01-1994
		SG 46287 A	20-02-1998
		WO 9117604 A	14-11-1991
US 5986512 A	16-11-1999	AU 1896099 A	05-07-1999
		BR 9813555 A	10-10-2000
		CN 1284217 T	14-02-2001
		EP 1038356 A	27-09-2000
		WO 9931807 A	24-06-1999
US 5111162 A	05-05-1992	CA 2083372 A,C	04-11-1992
		DE 4291263 C	21-11-1996
		DE 4291263 T	03-06-1993
		GB 2261780 A,B	26-05-1993
		HK 1001483 A	19-06-1998
		WO 9220144 A	12-11-1992
EP 0429217 A	29-05-1991	GB 2238434 A	29-05-1991
		AU 628235 B	10-09-1992
		AU 6656690 A	30-05-1991
		DE 69032554 D	17-09-1998
		DE 69032554 T	24-12-1998
		US 5079521 A	07-01-1992
DE 19640071 A	02-04-1998	NONE	
EP 0788237 A	06-08-1997	JP 3086706 B	11-09-2000
		US 5808493 A	15-09-1998
		WO 9706600 A	20-02-1997